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February 11, 2004



Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

***Attn: Mail Stop ISSUE FEE***

Re: Allowed U.S. Application No. 09/614,221  
Allowance Confirmation Number: 1614  
Filed: July 11, 2000  
Title: **A Nucleic Acid Molecule and Encoded Protein Associated with Sterol Synthesis and Metabolism**  
Applicants: Balasulojini KARUNANANDAA *et al.*  
A&P Ref. No.: 16518.112

Sir:

Transmitted herewith are the following documents for appropriate action by the U.S. Patent and Trademark Office (USPTO):

1. Request to Correct Title in PALM (including attachments);
2. Issue Fee Transmittal – Part B (Form PTOL-85) (in duplicate);
3. “Fee Address” Indication Form (Form PTO/SB/47); and
4. Return postcard.

Please stamp the postcard with the filing date of these documents and return it to our courier.

Applicants request that \$1,360.00 for payment of the issue fee and advance order of ten (10) patent copies be charged to Deposit Account No. 50-2387, referencing docket number 16518.112.

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Allowed Application No. 09/614,221  
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In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned. Applicants do not believe that any fees other than the issue fee (\$1330) and the advance patent copy fee (\$30) are due in conjunction with this filing. If, however, any additional fees are due under 37 C.F.R. §§ 1.16 or 1.17, including any extension of time fees required to prevent abandonment of this application, then the Commissioner is hereby authorized to charge such fees to Arnold & Porter Deposit Account No. 50-2387, referencing matter number 16518.112. A duplicate copy of this letter is enclosed.

Respectfully submitted,

*Rachel L. Adams*

Rachel L. Adams (Reg. Attorney No. 54,660)  
Dawn Gardner Krosnick (Reg. Attorney 44,118)  
David R. Marsh (Reg. Attorney No. 41,408)

Attachments



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Balasulojini KARUNANANDAA *et al.*

Appln. No.: 09/614,221

Filed: July 11, 2000

Title: **A Nucleic Acid Molecule and  
Encoded Protein Associated with  
Sterol Synthesis and Metabolism**

Art Unit: 1638

Examiner: Russell KALLIS

Atty. Docket: 16518.112

Confirmation No.: 1614

**Request to Correct Title in PALM**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

*Attn: Mail Stop ISSUE FEE*

Sir:

Pursuant to the Examiner's Amendment of November 24, 2003, the present title of the above-identified application is "A Nucleic Acid Molecule and Encoded Protein Associated with Sterol Synthesis and Metabolism". However, Applicants note that the Office's PALM system apparently contains errors in the title, as evidenced by the attached copy of the Notice of Allowance, and request that the following changes be made:

Change the word "molecules", to --molecule--; and

Before the word "associated", please insert the words --encoded protein--.

In support of these corrections, a copy of the Examiner's Amendment dated November 11, 2003 is also attached.

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Accordingly, Applicants respectfully request correction of the title of the above-identified application in the PALM computer system.

Respectfully submitted,



Rachel L. Adams (Reg. Attorney No. 54,660)  
Dawn Gardner Krosnick (Reg. Attorney No. 44,118)  
David R. Marsh (Reg. Attorney No. 41,408)

Date: February 11, 2004

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TO:David Marsh/Rachel Adams COMPANY:Arnold & Porter

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Art Unit: 1638

**EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the Title:

The Title was amended as follows:

--A nucleic acid molecule[s] and [other molecules] encoded protein associated with sterol synthesis and metabolism.—

In the Abstract:

The Abstract was amended as follows:

--This invention relates to the field of biotechnology, particularly as it pertains [to the production of sterols in a variety of host systems particularly plants. More specifically, the invention relates] to a nucleic acid molecule[s] encoding a protein[s] [and fragments of proteins] associated with sterol and phytosterol synthesis and metabolism [as well as the encoded proteins and fragments of proteins and antibodies capable of binding to them]. The invention also relates to methods of detection using the nucleic acid molecule[s], [fragments of the nucleic acid molecules, proteins, and fragments of proteins] or the encoded protein as a probe or in a microarray. [The invention also relates to cells, organisms, plants, or seeds, or progeny of any, that have been manipulated to contain increased levels or overexpress at least one sterol or phytosterol compound.]—

